

AUTHOR INDEX

- Abrahamson, P.A., see Franco da Silveira, J. (550) 222
- Abrahamson, P.A., see Zingales, B. (550) 233
- Adams, K.F., Johnson, G., Jr., Hornowski, K.E. and Lineberger, T.H.
The effect of copper on erythrocyte deformability. A possible mechanism of hemolysis in acute copper intoxication (550) 279
- Andrews, D. and Nelson, D.L.
Biochemical studies of the excitable membrane of *Paramecium tetraurelia*. II. Phospholipids of ciliary and other membranes (550) 174
- Antunes-Madeira, M.C. and Madeira, V.M.C.
Interaction of insecticides with lipid membranes (550) 384
- Ascher, G.S., see Walter, H. (550) 138
- Baker, G.F. and Naftalin, R.J.
Evidence of multiple operational affinities for D-glucose inside the human erythrocyte membrane (550) 474
- Baker, R.F., see Premachandra, B.R. (550) 245
- Barchi, R.L., Weigele, J.B., Chalikian, D.M. and Murphy, L.E.
Muscle surface membranes. Preparative methods affect apparent chemical properties and neurotoxin binding (550) 59
- Barondes, S.H. and Haywood, P.L.
Comparison of developmentally regulated lectins from three species of cellular slime molds (550) 297
- Bayer, E.A., Rivnay, B. and Skutelsky, E.
On the mode of liposome-cell interactions. Biotin-conjugated lipids as ultrastructural probes (550) 464
- Bennett, P.B., see Simon, S.A. (550) 38
- Birrell, G.B., see Lee, T.D. (550) 369
- Bjorkman, P.J., see Lee, T.D. (550) 369
- Blok, M.C. and van Dam, K.
Association of bacteriorhodopsin with lipid-impregnated filters. Evidence for fusion of bacteriorhodopsin-containing vesicles with the lipid phase of the filter (550) 527
- Borochoy, A. and Borochoy, H.
Increase in membrane fluidity in liposomes and plant protoplasts upon osmotic swelling (550) 546
- Borochoy, H., see Borochoy, A. (550) 546
- Bresler, S.E., Bresler, V.M., Kazbekov, E.N., Nikiforov, A.A. and Vasilieva, N.N.
On the active transport of organic acids (fluorescein) in the choroid plexus of the rabbit (550) 110
- Bresler, V.M., see Bresler, S.E. (550) 110
- Buchinski, R.K., see Grover, A.K. (550) 212
- Cameron, D.G., see Casal, H.L. (550) 145
- Carniol, C., see Zingales, B. (550) 233
- Casal, H.L., Smith, I.C.P., Cameron, D.G. and Mantsch, H.H.
Lipid reorganization in biological membranes. A study by Fourier transform infrared difference spectroscopy (550) 145
- Chalikian, D.M., see Barchi, R.L. (550) 59
- Cherry, R.J., see Nigg, E. (550) 328
- Christianson, A., see Wieslander, Å. (550) 1
- Colli, W., see Franco da Silveira, J. (550) 222
- Colli, W., see Zingales, B. (550) 233
- Cunningham, C.C. and Sinthusek, G.
Ionic charge on phospholipids and their interaction with the mitochondrial adenosine triphosphatase (550) 150
- Cushley, R.J., see Grover, A.K. (550) 212
- Davis, J.H., Maraviglia, B., Weeks, G. and Godin, D.V.
Bilayer rigidity of the erythrocyte membrane, ^2H NMR of a perdeuterated palmitic acid probe (550) 362
- Devadatham, M.S., see Moore, D. (550) 515
- Devés, R., see Krupka, R.M. (550) 77
- Eyring, H., see Kamaya, H. (550) 131
- Fischer, J., see Grosse, R. (550) 500
- Fischlschweiger, W., see McClure, J.A. (550) 16
- Forrest, B.J., see Grover, A.K. (550) 212

- Franco da Silveira, J., Abrahamson, P.A. and Colli, W.
Plasma membrane vesicles isolated from epimastigote forms of *Trypanosoma cruzi* (550) 222
- Frei, E. and Zahler, P.
Phospholipase A₂ from sheep erythrocyte membranes. Ca²⁺-dependence and localization (550) 450
- Glaser, L., see Moya, F. (550) 485
- Glynn, I.M., see Grosse, R. (550) 500
- Godin, D.V., see Davis, J.H. (550) 362
- Gordon, J.A., see Rendi, R. (550) 318
- Grinnell, F. and Minter, D.
Cell adhesion and spreading factor. Chemical modification studies (550) 92
- Grosse, R., Rapoport, T., Malur, J., Fischer, J. and Repke, K.R.H. with an Appendix by Glynn, I.M.
Mathematical modelling of ATP, K⁺ and Na⁺ interactions with (Na⁺ + K⁺)-ATPase occurring under equilibrium conditions (550) 500
- Grover, A.K., Forrest, B.J., Buchinski, R.K. and Cushley, R.J.
ESR studies on the orientation of cholesterol ester in phosphatidylcholine multilayers (550) 212
- Harmony, J.A.K., see Hui, D.Y. (550) 407
- Harmony, J.A.K., see Hui, D.Y. (550) 425
- Haywood, P.L., see Barondes, S.H. (550) 297
- Hellmann, G., see Plank, B. (550) 259
- Hornowski, K.E., see Adams, K.F. (550) 279
- Hughes, R.C., see Pena, S.D.J. (550) 100
- Hui, D.Y. and Harmony, J.A.K.
Interaction of plasma lipoproteins with erythrocytes. I. Alteration of erythrocyte morphology (550) 407
- Hui, D.Y. and Harmony, J.A.K.
Interaction of plasma lipoproteins with erythrocytes. II. Modulation of membrane-associated enzymes (550) 425
- Imai, Y., see Taniguchi, H. (550) 341
- Iyanagi, T., see Taniguchi, H. (550) 341
- Johnson, G., Jr., see Adams, K.F. (550) 279
- Jones, M.N., see Phutrakul, S. (550) 188
- Jones, R., see Tredgold, R.H. (550) 543
- Kalra, V.K., see Premachandra, B.R. (550) 245
- Kamaya, H., Ueda, I., Moore, P.S. and Eyring, H.
Antagonism between high pressure and anesthetics in the thermal phase-transition of dipalmitoyl phosphatidylcholine bilayer (550) 131
- Kazbekov, E.N., see Bresler, S.E. (550) 110
- Keana, J.F.W., see Lee, T.D. (550) 369
- Kessler, M., see Nigg, E. (550) 328
- Kitajima, Y., see Sekiya, T. (550) 269
- Kopf, S., see Winne, D. (550) 120
- Krob, E.J., see Walter, H. (550) 138
- Krupka, R.M. and Devés, R.
The membrane valve. A consequence of asymmetrical inhibition of membrane carriers. I. Equilibrating transport systems (550) 77
- Lage-Davila, A. and Montagnier, L.
Studies of a large transformation-increased membrane protein in the BHK21 cell system (550) 435
- Lee, T.D., Birrell, G.B., Bjorkman, P.J. and Keana, J.F.W.
Azethoxyl nitroxide spin labels. ESR studies involving thiourea crystals, model membrane systems and chromatophores, and chemical reduction with ascorbate and dithiothreitol (550) 369
- Levine, B.A., Sackett, J. and Williams, R.J.P.
The binding of organic ions to phospholipid bilayers (550) 201
- Liao, M.J. and Prestegard, J.H.
Fusion of phosphatidic acid-phosphatidylcholine mixed lipid vesicles (550) 157
- Lineberger, T.H., see Adams, K.F. (550) 279
- Madeira, V.M.C., see Antunes-Madeira, M.C. (550) 384
- Malur, J., see Grosse, R. (550) 500
- Mantsch, H.H., see Casal, H.L. (550) 145
- Maraviglia, B., see Davis, J.H. (550) 362
- McClure, J.A., Fischlschweiger, W. and Noonan, K.D.
Characterization of the membrane fraction isolated by the fluorescein mercuric acetate technique of Barland and Schroeder (550) 16
- McKersie, B.D. and Thompson, J.E.
Phase properties of senescing plant membranes. Role of the neutral lipids (550) 48
- Mills, G., see Pena, S.D.J. (550) 100
- Minter, D., see Grinnell, F. (550) 92
- Montagnier, L., see Lage-Davila, A. (550) 435
- Moore, D. and Devadatham, M.S.
Sugar transport in *Coprinus cinereus* (550) 515

- Moore, P.S., see Kamaya, H. (550) 131
- Morin, R.J., see Walter, H. (550) 138
- Morris, D.R. and Williams, A.R.
The effects of suspending medium viscosity on erythrocyte deformation and haemolysis in vitro (550) 288
- Moya, F., Silbert, D.F. and Glaser, L.
The relation of temperature and lipid composition to cell adhesion (550) 485
- Murphy, L.E., see Barchi, R.L. (550) 59
- Naftalin, R.J., see Baker, G.F. (550) 474
- Nelson, D.L., see Andrews, D. (550) 174
- Nigg, E., Kessler, M. and Cherry, R.J.
Labeling of human erythrocyte membranes with eosin probes used for protein diffusion measurements. Inhibition of anion transport and photo-oxidative inactivation of acetylcholinesterase (550) 328
- Nikiforov, A.A., see Bresler, S.E. (550) 110
- Noonan, K.D., see McClure, J.A. (550) 16
- Nozawa, Y., see Sekiya, T. (550) 269
- Pena, S.D.J., Mills, G. and Hughes, R.C.
Two-dimensional electrophoresis of surface glycoproteins of normal BHK cells and ricin resistant mutants (550) 100
- Phutrakul, S. and Jones, M.N.
The permeability of bilayer lipid membranes on the incorporation of erythrocyte membrane extracts and the identification of the monosaccharide transport proteins (55) 188
- Plank, B., Hellmann, G., Punzengruber, C. and Suko, J.
ATP- P_i and ITP- P_i exchange by cardiac sarcoplasmic reticulum (550) 259
- Premachandra, B.R., Kalra, V.K. and Baker, R.F.
Photoaffinity labeling of procaine-binding sites in normal and sickle cell membranes (550) 245
- Prestegard, J.H., see Liao, M.J. (550) 157
- Punzengruber, C., see Plank, B. (550) 259
- Rapoport, T., see Grosse, R. (550) 500
- Rendi, R., Vatter, A.E. and Gordon, J.A.
Divalent cation enhancement of the agglutinability by soyabean lectin of liposomes prepared from total lipid of erythrocytes and of erythrocyte membranes (550) 318
- Repke, K.R.H., see Grosse, R. (550) 500
- Rivnay, B., see Bayer, E.A. (550) 464
- Sackett, J., see Levine, B.A. (550) 201
- Sato, R., see Tajima, S. (550) 357
- Sato, R., see Taniguchi, H. (550) 341
- Sekiya, T., Kitajima, Y. and Nozawa, Y.
Effects of lipid-phase separation on the filipin action on membranes of ergosterol-replaced Tetrahymena cells, as studied by freeze-fracture electron microscopy (550) 269
- Silbert, D.F., see Moya, F. (550) 485
- Simon, S.A., Stone, W.L. and Bennett, P.B.
Can regular solution theory be applied to lipid bilayer membranes? (550) 38
- Sinthusek, G., see Cunningham, C.C. (550) 150
- Skutelsky, E., see Bayer, E.A. (550) 464
- Smith, I.C.P., see Casal, H.L. (550) 145
- Solomon, A.K., see Sze, H. (550) 393
- Stone, W.L., see Simon, S.A. (550) 38
- Suko, J., see Plank, B. (550) 259
- Sze, H. and Solomon, A.K.
Permeability of human erythrocyte membrane vesicles to alkali cations (550) 393
- Tajima, S. and Sato, R.
Inhibition of the binding of cytochrome b_5 to phosphatidylcholine vesicles by cholesterol (550) 357
- Taniguchi, H., Imai, Y., Iyanagi, T. and Sato, R.
Interactions between NADH-cytochrome P-450 reductase and cytochrome P-450 in the membrane of phosphatidylcholine vesicles (550) 341
- Thompson, J.E., see McKersie, B.D. (550) 48
- Tredgold, R.H. and Jones, R.
A study of gramicidin using deuterium oxide (550) 543
- Ueda, I., see Kamaya, H. (550) 131
- Ulmer, M.-L., see Winne, D. (550) 120
- Van Dam, K., see Blok, M.C. (550) 527
- Vasilieva, N.N., see Bresler, S.E. (550) 110
- Vatter, A.E., see Rendi, R. (550) 318
- Vistica, D.T.
Cytotoxicity as an indicator for transport mechanism. Evidence that melphalan is transported by two leucine-preferring carrier systems in the L1210 murine leukemia cell (550) 309
- Walter, H., Krob, E.J., Webber, T.J., Ascher, G.S. and Morin, R.J.
Effect of membrane cholesterol enrichment or depletion on the partition behavior of human erythrocytes in dextran-poly(ethylene glycol) aqueous phases (550) 138
- Walter, H., see Wieslander, Å. (550) 1

- Webber, T.J., see Walter, H. (550) 138
- Weeks, G., see Davis, J.H. (550) 362
- Weibull, C., see Wieslander, Å. (550) 1
- Weigele, J.B., see Barchi, R.L. (550) 59
- Wieslander, Å., Christianson, A., Walter, H. and Weibull, C.
Fractionation of membranes from *Acholeplasma laidlawii* A on the basis of their surface properties by partition in two-polymer aqueous phase systems (550) 1
- Williams, A.R., see Morris, D.R. (550) 288
- Williams, R.J.P., see Levine, B.A. (550) 201
- Winne, D., Kopf, S. and Ulmer, M.-L.
Role of unstirred layer in intestinal absorption of phenylalanine in vivo (550) 120
- Zahler, P., see Frei, E. (550) 450
- Zingales, B., Carniol, C., Abrahamson, P.A. and Colli, W.
Purification on an adenylyl cyclase-containing plasma membrane fraction from *Trypanosoma cruzi* (550) 233